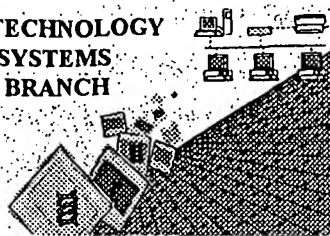


0360

BIOTECHNOLOGY
SYSTEMS
BRANCH



**RAW SEQUENCE LISTING
ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/034,692
Source: O/P
Date Processed by STIC: 6/26/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

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FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER
VERSION 3.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

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Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebs/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name,
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,
2011 South Clark Place, Arlington, VA 22202
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Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

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OIPE

RAW SEQUENCE LISTING

DATE: 06/26/2002

PATENT APPLICATION: US/10/034,692

TIME: 10:01:47

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\06262002\J034692.raw

**Does Not Comply
Corrected Diskette Needed**

3 <110> APPLICANT: GILL, Peter
 4 HUSSAIN, Javaid
 5 LONG, Adam
 7 <120> TITLE OF INVENTION: Improvements in and relating to analysis of DNA
 9 <130> FILE REFERENCE: 7500.331USC1
 11 <140> CURRENT APPLICATION NUMBER: 10/034,692
 OK> 12 <141> CURRENT FILING DATE: 2002-06-24
 14 <150> PRIOR APPLICATION NUMBER: PCT/GB00/02795
 15 <151> PRIOR FILING DATE: 2000-07-24
 17 <150> PRIOR APPLICATION NUMBER: GB9917307.2
 18 <151> PRIOR FILING DATE: 1999-07-23
 20 <150> PRIOR APPLICATION NUMBER: GB0009187.6
 21 <151> PRIOR FILING DATE: 2000-04-14
 23 <160> NUMBER OF SEQ ID NOS: 42
 25 <170> SOFTWARE: PatentIn Ver. 2.1
 27 <210> SEQ ID NO: 1
 28 <211> LENGTH: 25
 29 <212> TYPE: DNA
 30 <213> ORGANISM: Artificial Sequence
 32 <220> FEATURE:
 33 <223> OTHER INFORMATION: Description of Artificial Sequence: An artificial
 34 universal primer sequence designed to act as a
 35 molecular beacon and referred to at page 13 of the
 36 application.
 38 <400> SEQUENCE: 1
 39 acgcgcctctc ttcttctttt gcgcg 25
 42 <210> SEQ ID NO: 2
 43 <211> LENGTH: 20
 44 <212> TYPE: DNA
 45 <213> ORGANISM: Artificial Sequence
 47 <220> FEATURE:
 48 <223> OTHER INFORMATION: Description of Artificial Sequence: An artificial
 49 universal reporter primer forward sequence
 50 designed to optimally prime at 60 degrees C, page
 51 29.
 53 <400> SEQUENCE: 2
 W--> 54 cgacgtggtg gatgtgctan 20
 57 <210> SEQ ID NO: 3
 58 <211> LENGTH: 20
 59 <212> TYPE: DNA
 60 <213> ORGANISM: Artificial Sequence
 62 <220> FEATURE:
 63 <223> OTHER INFORMATION: Description of Artificial Sequence: An artificial

see p. 6 for explanation of error

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/034,692

DATE: 06/26/2002

TIME: 10:01:47

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\06262002\J034692.raw

```

64      universal primer reverse sequence designed to
65      optimally prime at approximately 60 degrees C,
66      page 29.
68 <400> SEQUENCE: 3
69 tgacctggct gactcgactg                20
72 <210> SEQ ID NO: 4
73 <211> LENGTH: 20
74 <212> TYPE: DNA
75 <213> ORGANISM: Artificial Sequence
77 <220> FEATURE:
78 <223> OTHER INFORMATION: Description of Artificial Sequence: An artificial
79      universal primer reverse sequence designed to
80      optimally prime at 60 degrees C, page 30.
82 <400> SEQUENCE: 4
83 tgccgtggct gacctgagac                20
86 <210> SEQ ID NO: 5
87 <211> LENGTH: 20
88 <212> TYPE: DNA
89 <213> ORGANISM: Homo sapiens
91 <400> SEQUENCE: 5
92 gtattttcgt ctggggggta                20
95 <210> SEQ ID NO: 6
96 <211> LENGTH: 21
97 <212> TYPE: DNA
98 <213> ORGANISM: Homo sapiens
100 <400> SEQUENCE: 6
101 gtctgtcttt gattcctgcc c            21
104 <210> SEQ ID NO: 7
105 <211> LENGTH: 20
106 <212> TYPE: DNA
107 <213> ORGANISM: Homo sapiens
109 <400> SEQUENCE: 7
110 ttgtattcct gcctcatccc            20
113 <210> SEQ ID NO: 8
114 <211> LENGTH: 20
115 <212> TYPE: DNA
116 <213> ORGANISM: Homo sapiens
118 <400> SEQUENCE: 8
119 atattacagg cgaacatacc            20
122 <210> SEQ ID NO: 9
123 <211> LENGTH: 27
124 <212> TYPE: DNA
125 <213> ORGANISM: Homo sapiens
127 <400> SEQUENCE: 9
128 gcttgtagga cataataata acaatta      27
131 <210> SEQ ID NO: 10
132 <211> LENGTH: 22
133 <212> TYPE: DNA
134 <213> ORGANISM: Homo sapiens

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/034,692

DATE: 06/26/2002

TIME: 10:01:47

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\06262002\J034692.raw

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136 <400> SEQUENCE: 10
137 cagagatgtg tttaagtgt gt                22
140 <210> SEQ ID NO: 11
141 <211> LENGTH: 19
142 <212> TYPE: DNA
143 <213> ORGANISM: Homo sapiens
145 <400> SEQUENCE: 11
146 accagctttg ccagttccm                19
149 <210> SEQ ID NO: 12
150 <211> LENGTH: 16
151 <212> TYPE: DNA
152 <213> ORGANISM: Homo sapiens
154 <400> SEQUENCE: 12
155 ttccgtgggt gtggck                16
158 <210> SEQ ID NO: 13
159 <211> LENGTH: 21
160 <212> TYPE: DNA
161 <213> ORGANISM: Homo sapiens
163 <400> SEQUENCE: 13
164 ggcagagcga ctaaaagcaa a            21
167 <210> SEQ ID NO: 14
168 <211> LENGTH: 37
169 <212> TYPE: DNA
170 <213> ORGANISM: Artificial Sequence
172 <220> FEATURE:
173 <223> OTHER INFORMATION: Description of Artificial Sequence: A human Gc
174     forward primer with an artificial universal primer
175     tag to detect a SNP polymorphism at Gcls/1f, page
176     47.
178 <400> SEQUENCE: 14
179 cgacgtggtg gatgtgctag gttccgtggg tgtggcc        37
182 <210> SEQ ID NO: 15
183 <211> LENGTH: 41
184 <212> TYPE: DNA
185 <213> ORGANISM: Artificial Sequence
187 <220> FEATURE:
188 <223> OTHER INFORMATION: Description of Artificial Sequence: A Human Gc
189     reverse primer with an artificial universal primer
190     tag to detect a SNP polymorphism at Gcls/1f, page
191     47.
193 <400> SEQUENCE: 15
194 tgacgtggct gacctgagac ggcagagcga ctaaaagcaa a    41
197 <210> SEQ ID NO: 16
198 <211> LENGTH: 45
199 <212> TYPE: DNA
200 <213> ORGANISM: Artificial Sequence
202 <220> FEATURE:
203 <223> OTHER INFORMATION: Description of Artificial Sequence: An artificial
204     universal molecular beacon primer sequence

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/034,692

DATE: 06/26/2002

TIME: 10:01:47

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\06262002\J034692.raw

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205      designed to detect universal primer 9G
206      polymorphism, page 47.
208 <400> SEQUENCE: 16
209 acgcgctctc ttcttctttt ggcgcgcgacg tgggtggatgt gctag      45
212 <210> SEQ ID NO: 17
213 <211> LENGTH: 20
214 <212> TYPE: DNA
215 <213> ORGANISM: Artificial Sequence
217 <220> FEATURE:
218 <223> OTHER INFORMATION: Description of Artificial Sequence: An artificial
219      reverse primer sequence designed to detect
220      universal reverse 11 primer sequence, page 47.
222 <400> SEQUENCE: 17
223 tgacgtggct gacctgagac      20
226 <210> SEQ ID NO: 18
227 <211> LENGTH: 39
228 <212> TYPE: DNA
229 <213> ORGANISM: Artificial Sequence
231 <220> FEATURE:
232 <223> OTHER INFORMATION: Description of Artificial Sequence: A human Gc
233      forward primer attached to an artificial universal
234      primer tag to detect a SNP polymorphism at
235      Gcls/lf, page 48.
237 <400> SEQUENCE: 18
238 cgacgtgggtg gatgtgctag accagctttg ccagttccg      39
241 <210> SEQ ID NO: 19
242 <211> LENGTH: 39
243 <212> TYPE: DNA
244 <213> ORGANISM: Artificial Sequence
246 <220> FEATURE:
247 <223> OTHER INFORMATION: Description of Artificial Sequence: A human Gc
248      forward primer attached to an artificial universal
249      primer tag to detect a SNP polymorphism at
250      Gcls/lf, page 48.
252 <400> SEQUENCE: 19
253 cgacgtgggtg gatgtgcttc accagctttg ccagttcct      39
256 <210> SEQ ID NO: 20
257 <211> LENGTH: 37
258 <212> TYPE: DNA
259 <213> ORGANISM: Artificial Sequence
261 <220> FEATURE:
262 <223> OTHER INFORMATION: Description of Artificial Sequence: A human Gc
263      forward primer attached to an artificial universal
264      primer tag to detect a SNP polymorphism at
265      Gcls/lf, page 48.
267 <400> SEQUENCE: 20
268 cgacgtgggtg gatgtgctag gttccgtggg tgtggcc      37
271 <210> SEQ ID NO: 21
272 <211> LENGTH: 37

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/034,692

DATE: 06/26/2002

TIME: 10:01:47

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\06262002\J034692.raw

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273 <212> TYPE: DNA
274 <213> ORGANISM: Artificial Sequence
276 <220> FEATURE:
277 <223> OTHER INFORMATION: Description of Artificial Sequence: A human Gc
278     forward primer attached to an artificial universal
279     primer tag to detect a SNP polymorphism at
280     Gcls/lf, page 48.
282 <400> SEQUENCE: 21
283 cgacgtgggtg gatgtgcttc gttccgtggg tgtggca 37
286 <210> SEQ ID NO: 22
287 <211> LENGTH: 41
288 <212> TYPE: DNA
289 <213> ORGANISM: Artificial Sequence
291 <220> FEATURE:
292 <223> OTHER INFORMATION: Description of Artificial Sequence: A human Gc
293     reverse primer attached to an artificial universal
294     primer tag to detect SNP polymorphisms at Gcls/lf,
295     page 48.
297 <400> SEQUENCE: 22
298 tgacgtggct gacctgagac ggcagagcga ctaaaagcaa a 41
301 <210> SEQ ID NO: 23
302 <211> LENGTH: 45
303 <212> TYPE: DNA
304 <213> ORGANISM: Artificial Sequence
306 <220> FEATURE:
307 <223> OTHER INFORMATION: Description of Artificial Sequence: An artificial
308     molecular beacon forward primer attached to a
309     universal primer tag to detect universal primer 9G
310     polymorphism.
312 <400> SEQUENCE: 23
313 acgcgtcttc ttcttctttt gcgcgcgacg tggatgatgt gctag 45
316 <210> SEQ ID NO: 24
317 <211> LENGTH: 45
318 <212> TYPE: DNA
319 <213> ORGANISM: Artificial Sequence
321 <220> FEATURE:
322 <223> OTHER INFORMATION: Description of Artificial Sequence: An artificial
323     molecular beacon forward primer attached to a
324     universal primer tag to detect universal primer 9C
325     polymorphism.
327 <400> SEQUENCE: 24
328 acgcgtcttc ttcttctttt gcgcgcgacg tggatgatgt gcttc 45
331 <210> SEQ ID NO: 25
332 <211> LENGTH: 20
333 <212> TYPE: DNA
334 <213> ORGANISM: Artificial Sequence
336 <220> FEATURE:
337 <223> OTHER INFORMATION: Description of Artificial Sequence: An artificial
338     reverse universal primer designed to detect

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/034,692

DATE: 06/26/2002
TIME: 10:01:48

Input Set : A:\PTO.VSK.txt
Output Set: N:\CRF3\06262002\J034692.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; N Pos. 20

Seq#:28; N Pos. 30